

Textile

VOL. XII.

LOWELL, MASS., MAY 22, 1930

No. 16

Second Term Examination Schedule

9.00	Thursday, May 22	43 Marketing	330
	Friday, May 23	4 Tech. German	243
9.00		43 Knitting	262
		3 Cloth Const. (Wool)	332
9.00	Saturday, May 24	4 Engng. Chem.	242
	Monday, May 26	43 T. C. and Dyeing	242
9.00		43 Cotton Finishing	372
		2 Power Weaving	232
1.00 P. M.		2 German	330, 331
		1 English	
9.00	Tuesday, May 27	4 Phys. Chemistry	242
		3 Wool Yarns	121
		3 Tech. German	243
		1 Stochiometry	242
1.30 P. M.		2 Physics	330, 331
	Wednesday, May 28	43 Organic Lab.	242
9.00		3-2 Text. Design	(Catalog) 331
		2 Inorganic Chem.	341
		2 Adv. Mechanism	242
1.30 P. M.		3 Economics	263
		1 Mechanism	330, 331
9.00	Thursday, May 29	4 Bus. Admin.	263
		43 Dye. Laboratory	242
		3 Wool Finishing	361
		2 Text. Design (Wool)	330
		2 Mathematics VI	263
		1 Text. Design	330, 331
1.30 P. M.		2 Indust. History	330
		1 German	330
9.00	Saturday, May 31	3 Power Weaving	232
		2 Stochiometry	242
		2 Wool Yarns	121
		1 Tech. Fibers (Wool)	121
9.00	Monday, June 2	4 Microscopy	242
		4 Mill Engng.	262
		3 Electricity	263
		3 T. Design (Wool)	331
		2 T. C. and Dyeing	242
		2 Cloth Const. (Wool)	331
1.30 P. M.		3 Physics	330, 331
		1 Inorg. Chem.	330, 331

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A.S.M.E. Holds Election of Officers

Last week the election of officers for next year was held by the local section of the A. S. M. E. They are given as follows:

President, Richard W. Hawthorn, '31.
 Vice-President, William S. Bradford, '31.
 Secretary, Thomas Ferguson, '32.
 Treasurer, Charles W. Churchill, '32.
 Campaign Manager, Allan Campbell, Jr., '32.

For Alumni Day

Notices and Programs Mailed Last Week

According to an announcement made by Professor A. A. Stewart, '00, a large turnout of alumni is expected this Saturday for the annual reunion. Last week \$95 Alumni notices were sent out, and 24 notices to the staff. The following is a program of the events for the day:

9.00 A. M. Registration and Social Hour. The Institute will be open for the reception of the Alumni. Report to the Secretary's Office, register and obtain your coupon ticket. Room 361 will be reserved for a cloak room.

Dues. The yearly dues of \$1.00 for 1930 are now payable. If you cannot attend the banquet, at least show interest in the Association and pay your dues. Make your check payable to Arthur A. Stewart, '00, Secretary-Treasurer. Your cancelled check is sufficient receipt.

10.00 A. M. Business Meeting. Rooms 372, Edwin D. Fowle, '24, President. To hear reports of officers and committees. Election of officers. Transaction of any other business that may legally come before the meeting.

10.30 A. M. Athletic Contests. J. Milton Washburn, '31, Chairman.

12.15 P. M. Photograph of Alumni and Guests in front of Southwick Hall. Arthur A. Stewart, '00, Chairman.

12.30 P. M. Buffet Lunch. Assembly Hall.

1.45 P. M. Social Hour and Inspection of the Department of Architecture. A. E. Wells, '20, Chairman.

4.25-5.25 P. M. Technical Hour. General Chairman, Charles H. Forsyth, '20. Sub-Chairman, Cotton Manufacturing, Charles H. Forsyth, '20. Sub-Chairman, Wool Manufacturing, Dlin D. Gay, '05. Sub-Chairman, Chemistry and Dyeing, Dr. Harold W. Stieglis, '18.

8.00 P. M. Baseball Game. Lowell Textile vs. Newport Naval Training Station.

8.00-9.00 P. M. Wrestling Match. Royal P. White, '40, Chairman.

9.15 P. M. Sharp. The 31st Annual Banquet will be served in the Assembly Hall. Edwin D. Fowle, '24, Banquetmaster. Presentation of Past Presidents' Cup. Presentation of Athletic Prizes. Interesting Speaking Program.

City Bird (pointing to buystrack): "What kind of a house is this?"

Country Bird: "That ain't a house, that's hay."

City Bird: "Say! You can't fool me, hay doesn't grow in a jump like that!"

Stylist Addresses the Design Dept.

Mrs. Katharine Hooper, a representative of the Cotton-Textile Institute of New York, whose work is style research and sales promotion, spoke recently to a group of students in the Design Department.

Mrs. Hooper, by way of introduction to her subject, called to the attention of her audience the fact that the market was buying the buyers, and not the producers as it was twenty years ago. Despite this fact the one point of contact with the consumer is at the counter of the retailer, and on that the mill is dependent.

Here three groups of people are at work. The originators, who are the designers, the reproducers, who are the weavers, and the forecasters, known as stylists.

Today the purchaser considers style first, cost second, and durability no longer counts.

The work of forecasting is endless. Two years ago prints ruled. They knew that weaves were sure to follow. Now weaves are in, and the prints which are in vogue are ever-changing.

One will always be guari. Due will always be volume, she stated.

In viewing another field, that of furniture and furniture coverage, she stated that, although nearly all of the

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Designers Visit Two Worcester Plants

Last Wednesday the Designers and some of the wool men went to Worcester to see Crompton-Knowles Looms and Whittall carpets being made.

The forenoon was spent in a trip through the Crompton-Knowles Loom Works. The course through the factory went out the assembling room. Huge looms for the carpet concern were seen under construction. The largest made there measure 600 inches from sword to sword. Others are capable of weaving carpets forty-eight feet wide. The heaviest looms weigh about fifty-seven tons. Some of these are shipped to Japan and far away countries. The cases in which they are packed in their knocked-down condition constitute enough lumber to build a moderate-sized cottage.

The group was taken through the looms to see parts being cast and shafts being formed and welded. In this department one was sure to feel a supernatural atmosphere such as that of a medieval torture chamber. A huge machine was at work turning out machinery gears and such parts.

In the research department the apparatus for taking microscopic views of different metals in highly amplified cross-sections was pointed out.

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Upstream Day Huge Success

Perfect Weather Enhanced Enjoyment of Outing

Wool Students Have Two Day Trip

For the first time in the history of Lowell Textile a group of wool students made a two-day trip to New Hampshire and Vermont. They visited three shoddy mills and obtained a great deal of knowledge about the shoddy industry. The trip had many new experiences for all of the boys and also the instructors.

The trip was planned by Prof. Barker, head of the Wool Department, and was entirely directed by him. He arranged for all the necessary accommodations and kept the expense down to a minimum. He also proved himself to be a boy among boys, yet the fairly ordinary interest that he showed soon received great commendation.

The group who went on the trip consisted of Prof. Barker, Prof. Brown, Mr. Kennedy, six wool students, ten wool engineers and one designer. They left on Tuesday, May 21st, at 8:30 A. M. in private cars, and the first stop was at Troy, N. H. Here they visited the Troy Blanket Mills, for which Prof. Barker is the consulting engineer. The mill was neatly clean and full of rags and makes blankets and auto linings. The group was divided into two sections and was conducted through the plant by Supt. Arthur Varang and Mr. Lohff.

On their journey through the mill they first went to the power plant where they saw the different methods of receiving and distributing the power to the various sections of the mill. Next they visited the raw stock department, or the place where the rags come in and are sorted. From here they went to the shredding department. This was the first operation that the rags received, and here they were torn into shreds. The blending room was the next stop, and this proved to be of much interest to all. It is almost impossible to describe the exactness with which the blends are made. From the blending room they went to the card room. At this point they saw the different types of cards in operation. Then they followed through to the spinning room, where yarns of heavy 16's run was being made. In this room they were able to see the entire process in the shoddy industry from the picking of the rags to the weaving and finishing of cloth for the market.

The group proceeded to Keene, where they were to visit a second mill. The first duty at Keene, however, was to get something to eat. This they did, and also witnessed the only accident of the trip. Some one slipped a tray of

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Another Upstream Day was brought to an end last Friday, the sixteenth, after an enjoyable outing at the Marine Lather grounds at Tyngsboro. Due to inclement weather on Thursday, it was necessary to change the day to Friday, which dawned rather dubious, but finally turned out to be one that was conducive to indulgence in outdoor pleasures. A hot left the school at noon, carrying those who had not made other arrangements for transportation, but the majority came in their own little individual manners.

The first item on the program was a baseball game between the Freshmen and Sophomores, which the Sophomores won. The features of the game were the remarkable decisions handed down by Sadler, ace of the Wool Department, to the play, the Sophomores were immorally overthrown by the Juniors, due to the baffling ball of that indomitable stockroom prodigy—McDonald.

The college to dinner was sounded, and the sound of dinner being continued for a considerable length of time. Another budding pitcher who had not had a chance to play during the morning broke up the little cap of Everett, the unsung spirit of the Day Lab, by playfully tossing a partially consumed grapefruit in his direction.

The first feature on the afternoon program was a wrestling match between Boncourner Everett and Snapper Kennedy. The honors went to the Dyeing Department, but Snapper only lost by a hair, at the saying goes. The match would have been more enjoyable to the bystanders had they been able to see both contestants at the same time, but Everett's poorly proportioned Bill Snapper from view, who was giving a good imitation of that

(Continued on Last Page)

Textile Players Hold Meeting

On Tuesday, May 20, the Textile Players held a meeting in room 361. The purpose was to decide upon the amount of this year's donation to the Athletic Association. It was decided to give the sum of two hundred and fifty dollars.

The management was also announced at the same time. Only the major officers have been appointed at present. They are:

General Manager, Frank D. Hosmer, '31.
 Business Manager, Gerald A. Clark, '31.
 Stage Manager, Norman A. Johnson, '31.

THE TEXT

VOL. XII

NO. 16

Published bi-weekly throughout the College year by the Text News Association of the Lowell Textile Institute. Telephone 6140.
Entered in Lowell Post Office as Second Class Matter. Feb. 6-44-6411.
Subscription \$1.50 YEARLY.

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EDITORIALS

Through the medium of the Text the Lowell Textile student body extends its best wishes to the Alumni Association on the occasion of its thirty-first annual reunion.

The Text takes this occasion to wish the undergraduate body a happy and prosperous summer vacation. We do hope that the graduating class of this year will receive a promising start in the field of business, with the preparation obtained at the Institute. Goodbye, then, until next year.

Fraternities Hold Elections

DELTA KAPPA PHI

We take pleasure in announcing the election of the following officers for the coming year: Allan Campbell, Jr., President; Ray Daley, Vice-President; Harg Pittman, Treasurer; Frank Casey, Secretary; and Alfred Schellenberg, Seribe.

OMICRON PI

At a recent meeting of Omicron Pi fraternity the following officers were elected: President, Richard O. Pore; Secretary, Henry S. Sawyer; Marshal,

Raymond L. Matthews; Senior Member of the Governing Board, Norman A. Johnson; Junior Member of the Governing Board, Stanley B. Heckrides; Treasurer, Frank B. Hemer; Assistant Treasurer, David R. Tarr.

SIGMA OMEGA PSI

At a recent meeting, Eta's officers were elected for the coming year and are, as follows: President, Joseph Wallace; Vice-President, Leo Gleklen; Treasurer, Samuel Shapiro; Secretary, William Birebaum.

A simple young fellow, McNeill, Had his 'peads' removed by a mutt. He came back to school Feeling fit as a fool. Said Ruthe, "You are far overcut."

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STYLIST ADDRESSES THE DESIGN DEPARTMENT (Continued From Page 1)

architecture which this country uses is made here, less than half of the decorative furniture fabrics used are made in this country. The fabric sells the furniture, and the durability of the fabric is in this case an important factor.

Decorative fabrics have a strong tendency to move into a one-year cycle despite the fact that the duration of their life is generally considered years.

Mrs. Hooper, who has recently returned from research work abroad, told of the part architectural design was playing. European architecture is considered very much in advance of that here. The modern buildings now being erected abroad, in recognition of the necessity of sunlight to good health, have a maximum of window area and only enough solid wall to support the glazing. Such big windows are successful in a great quantity of drapery material to offset the barrenness of their appearance. This is sure to mean a great increase in the yardage of such materials consumed.

The lecture was followed by the displaying of a large collection of fabrics which Mrs. Hooper had brought back from her study abroad. The special features in the design and construction of the fabrics were pointed out. They represented a great many new ideas and styles which will later appear in this country.

WOOL STUDENTS HAVE TWO-DAY TRIP (Continued From Page One)

soup the waitress was carrying, and poor Churchill received it all over his shoulder.

After dinner the group visited the Keene Silk Fibre Mills. This is a shoddy mill which makes yarn up to 29 run from real and artificial silk waste. They were conducted through the plant, and were able to see all the operations up to the yarn making. The group visited every department from the sorting room in the spinning room. It is the first spun silk yarn mill many of the group had ever been in, and the operation proved very interesting.

From Keene they proceeded to Springfield, Vermont. Some of the group thought they would like to see Dartmouth College at Hanover first, so went there, and then swung back to Springfield. At Springfield they stayed at the Adna Brown Hotel, which is situated in the centre of the town. It was a very pleasant place to stay, and the food was excellent. Supper was served at 8 o'clock, and the boys certainly did it justice.

After supper the boys split up into smaller groups. Through the courtesy of Prof. Barker, who let Spaulding borrow his car, some of the boys were able to go to a dance in a nearby town. Others had dates with the village girls, while the still others went bowling and to the movies. Each one had an enjoyable evening in his own way.

Mr. Julian Jacobs, of the John T. Slack Co., came to the hotel that night and told Professor Barker that he had arranged an aeroplane ride for any who wished to go. Prof. Barker passed the word along to the boys and told them that breakfast would be served the following morning at 6 A. M. The boys retired at different hours and received as much sleep as could be expected on such a trip. They did not make any noise, however, and this did not disturb any of the other guests.

On the Wednesday morning breakfast was served at 6:30. Strange to say, everyone was up on time. After eating they all went to the flying field, where they saw the plane waiting for them. The pilot was none other than Lee Beyman, who attended Lowell Textile in '27. They also met Johnny Slack, who attended Lowell Textile from '24 '27, taking a Wool Engineering course.

The plane ride proved to be the high light of the trip. The plane was an open cockpit Commandaire. Many of the boys had never been up in a plane before, and this indeed was a thrilling experience to them. Lee certainly handled the plane in great style and acted like a true pilot by not showing off and trying any stunts. He made nine trips of fifteen minutes each, taking two passengers up at a time. Seventeen of the group took to the air, and also Ed Russell, of the Troy Blanket Mills, who came to Springfield so that he might visit the John T. Slack Co. with the boys. Many thanks are due Lee for his kindness in taking the boys for a ride.

After the plane ride they visited the John T. Slack Corp. This mill is one of the largest plants of its kind reducing wool rags and waste of all kinds to a very high grade fibre.

The first place they visited was the engine room, where they were able to see the automatic slakers in action. Then they proceeded through the plant visiting every department, from where the bales of rags entered to where the ultimate fibre was shipped out. They had very able guides to conduct them through the plant. These guides were Mr. Julian Jacobs, Mr. Davis and Mr. John Slack.

Continued on Page 3

DESIGNERS VISIT TWO WORCESTER PLANTS (Continued From Page 1)

The final room was one in which one of each type of floor could be seen in operation. One loom of particular interest was weaving at the rate of 300 picks per minute, and was said to be capable of a speed of 500 picks a minute.

During the afternoon the party was conducted through the plants of the Whitall Carpet Company. Here they were shown a machine scoring wool in the skein form, the dyeing of the skeins, and on up through the weaving of the carpets. The looms were huge Jacquards, occupying not only a large amount of floor space but overhead room as well.

The design room, in which the cards were being punched and faced together, held much which was of interest to the designers.

In the finishing department they saw the carpets being steamed, inspected, sheared, sewn together and packed for shipment.

Our idea of a pestimeter is a fellow who rises out a fresh sanitary cup direct from its container before using it.

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Textile Noses Out Clark University In Slugging Contest

In a game featured by a large number of hits, including three home runs, Textile added another victory to its imposing list by defeating Clark on the Textile campus, Tuesday, May 14th, by a score of 13 to 12. The star hitter of the game was Green, first sacker for the Clarkmen, who collected five hits in five trips to the plate, among them a homer. Savard was the heavy hitter for Textile, making four hits out of five times at bat. He also was credited with a home run. The other home-run hitter was Wright, left field for Clark Green, who was slated to do ground duty for the day, was unable to pitch due to an injury he received just before the game. Turootte started the game, and Clark obtained five runs the first inning. He was replaced by True-dale, who was in turn replaced by Kokoska, and Allard finished at the slab. Clark was ahead until the seventh, when the score was tied. Textile sewed up the game by breaking the tie in the ninth with one out. The score:

LOWELL TEXTILE INSTITUTE

	sh	r	h	po	a
Turootte, p 2b.	4	2	3	1	3
True-dale, 2b ss 1b	1	2	2		
Allard, 1b p	3	0	0	7	0
Savard, cf	5	3	4	3	0
Kokoska, ss p	6	2	2	0	0
Shapiro, lf	2	0	1	2	0
Dezman, c	5	3	3	10	0
Kilmartin, lf	2	0	0	0	0
Quigley, 3b	4	1	3	2	1
Kendrick, rf	5	1	1	0	0
Totals	42	13	19	27	11

CLARK UNIVERSITY

	sh	r	h	po	a
Meleka, 2b	5	2	1	1	0
Haddard, ss	4	1	2	1	4
Green, 1b	6	2	5	11	0
Pittman, c	6	2	2	3	1
Higginbottom, cf	3	2	1	1	0
Wright, lf	4	2	2	5	0
Hewarth, 3b	3	0	0	4	1
Minton, rf	5	0	3	2	0
Moran, p	3	1	0	1	2
Todd, p	1	0	0	0	0
Totals	38	12	16	23	13

WOOL STUDENTS HAVE TWO-DAY TRIP

(Continued from Page 2)

The most remarkable part was the blending room. It seems impossible that they are able to take thousands of bales of wool and make the same blends week in and week out the way they do at the Slack Mills. The dry carbonizing was another interesting department to visit.

As it was dinner time when they completed the trip through the mill they went back to the hotel for dinner. The meal was very gratifying to such a hungry crowd, and everyone enjoyed it.

After dinner the party checked out and started for home. Some went through Nashua to see the ruins of the fire, while the others went directly to Lowell. Ned Spaulding directed the group who went to Nashua, and pointed out the spot where he stood while fighting the fire.

This two-day trip was the first of its kind for any group of students at Lowell. It was a great success and shall go down as such in the history of the institute. The boys conducted themselves as gentlemen at all times. There was no rowdiness or loudness among them. This helps to show that such trips are really beneficial for the student body.

The credit of this trip goes to Professor Barker. He did a fine job in every way, and it was only through his ingenuity that such a trip was made possible. A great deal of thanks is due the Troy Market Mills, Keene Silk Fibre Mills, and the John T. Slack Corp. for permitting the group to visit their respective plants, and also to Mr. Julian Jacobs and Lee Bowman for arranging the airplane ride.

He (softly): "My love cannot be expressed by words!"

She (eagerly): "Tell me about it!"

Peter knew that he was not like other men, and it worried him. For the masculine complex is different; men seem to want to conform to the usual. But one morning he came to school jubilant. Now he could look his fellow-men in the eye. It had happened. He had cut himself shaving.



HE TORE OFF HIS FALSE WHISKERS—AND IT WAS JACK

"Lucinda, my love, I knew you would be true. 'Tis I, your own Jack Delavere!"

"Jack," replied Lucinda blushing prettily, "must I confess? I recognized you from the first. That honey-smooth voice . . . those golden tones . . . that perfect throat-cape can belong only to a man who smokes OLD GOLDS. You wag . . . you thought to confuse me, but nay! The mild and mellow queen-leaf tobacco sets its OLD GOLD mark upon you as sterling upon silver. There's not a bark in a billion."

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UPSTREAM DAY HUGE SUCCESS

(Continued from Page 1)

well-known game called "Root the Pig."

The next attraction was the baseball game between the Seniors and the boys who make the assignments. The Seniors came out victorious after the smoke of battle had cleared away. But

ler added to the enjoyment of the game by his merry little witticisms while behind the bat for the Seniors. Gross on the mound for the Seniors in the final inning almost won the game for the Pros, but the excellent field generalship of the Senior captain finally clinched the game for them.

In the dash, Hardman was victorious by virtue of an early start. Joe Tio, a school-boy, The Juniors won the re-

Ly race with a team composed of Hardman, Guley, Hurst, and Ivers. The three-legged handicap was won by the team, Jerek and Hardman. Harris and Wojas placed third by fooling the public. That's all there is to it. Just fool the public. The wheelbarrow race was won by Guley and Lathrop, who squeaked in ahead.

Hockidge was the lucky boy in the dash for the oranges. The North Adams terror declares he owes it all to Paris carts.

The day ended with an excellent lunch. Many thanks are due Les Cook-

SECOND TERM EXAMINATION SCHEDULE

(Continued from Page 1)

Tuesday, June 3	
3 Cotton Yarns,	
I, III, VI	211
3 Indust. Chemistry	242
2 Cotton Yarns VI	211

big and the members of the Executive Council, who made and carried out the plans for this year's Upstream Day.

1.30 P. M.	2 Mathematics IV	330
	1 Mathematics	331

Wednesday, June 4	
3 Str. Materials	263
32 Quant. Analysis	361
2 Cotton Yarns, I, III	211
1 Text. Chemistry	242

Thursday, June 5	
3 Mill Engrg.	367
2 Dye Laboratory	321
21 Organic Chemistry	242
2 Math. (Repeaters)	330
2 Applied Mechanics	330

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Works: Paterson, N. J.; East Paterson, N. J.; Allentown, Pa.; Williamsport, Pa.

Canadian Branch: Dominion Silk Dyeing and Finishing Co., Limited, Drummondville, P. Q., Can.

Salesrooms: Toronto; Montreal